

Date: Sat, 1 Oct 94 04:30:22 PDT  
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>  
Errors-To: Ham-Space-Errors@UCSD.Edu  
Reply-To: Ham-Space@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Space Digest V94 #274  
To: Ham-Space

Ham-Space Digest Sat, 1 Oct 94 Volume 94 : Issue 274

## Today's Topics:

Amateur Static Satellite Tracking (4 msgs)  
AMSAT Newsgroups  
APT Equipment Suggestions?? (2 msgs)  
Ham-Space Digest V94 #268  
Is there a microsat FAQ?  
Mac sat antenna-positioning program ? (2 msgs)  
Radio astromony?  
Shuttle Audio Re-broadcasting (2 msgs)

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>  
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 29 Sep 1994 07:43:53 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!swiss.ans.net!  
news.dfn.de!scsing.switch.ch!sun.rediris.es!diable.upc.es!caralt@network.ucsd.edu  
Subject: Amateur Static Satellite Tracking  
To: ham-space@ucsd.edu

Date: 29 Sep 1994 07:54:21 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!EU.net!  
Germany.EU.net!news.dfn.de!scsing.switch.ch!sun.rediris.es!diable.upc.es!  
caralt@network.ucsd.edu  
Subject: Amateur Static Satellite Tracking

To: ham-space@ucsd.edu

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Date: 29 Sep 1994 07:45:42 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!EU.net!  
Germany.EU.net!news.dfn.de!scsing.switch.ch!sun.rediris.es!diable.upc.es!  
caralt@network.ucsd.edu  
Subject: Amateur Static Satellite Tracking  
To: ham-space@ucsd.edu

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Date: 29 Sep 1994 07:52:37 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!spool.mu.edu!howland.reston.ans.net!  
EU.net!Germany.EU.net!news.dfn.de!scsing.switch.ch!sun.rediris.es!diable.upc.es!  
caralt@network.ucsd.edu  
Subject: Amateur Static Satellite Tracking  
To: ham-space@ucsd.edu

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Date: Wed, 28 Sep 1994 22:35:09 GMT  
From: netcomsv!netcom.com!eareckso@decwrl.dec.com  
Subject: AMSAT Newsgroups  
To: ham-space@ucsd.edu

wardf@delphi.com wrote:  
: MartinSan <martinsan@aol.com> writes:  
:  
: >Does anyone know of any other newsgroups or mailing lists run by AMSAT? I  
: >was only able to find this one and a mailing list specifically for  
: >distribution of kep's. Thanks. ...Marty WB9EVH  
:  
: Marty, I logged on here hoping to find some newsgroups myself. I'd really  
: appreciate having any you find passed along. I havn't found the one you  
: mention for keps up-dateds yet. It would be nice to get really up to the  
: minute data for the SAREX missions.  
: 73 de Wardf@Delphi.com (KB1AJF @ WB1CQ0.CT.USA.NOAM  
:

Try archive.afit.af.mil for current TLEs, pub/space.

Bill Eareckson  
eareckso@netcom.com

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Date: Thu, 29 Sep 1994 09:36:58 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!pipex!bbc!ant!  
boyer@network.ucsd.edu  
Subject: APT Equipment Suggestions??  
To: ham-space@ucsd.edu

Scott M Bourne (smbourne@covina.lightside.com) wrote:  
: I'm thinking about buying some hardware to get NOAA/METOR APT  
: (and maybe GEOS/METEOSTAT) transmissions and I'm trying to decide on which  
: hardware is good.  
  
: I don't know anyone that is doing this, so I'm looking here.  
  
: I've gotten catalogs from Vanguard, Quorum and OFS Weatherfax. Are there  
: others that I should know about? Any experience (good or bad) with any of  
: these? How about sources of used equipment.  
  
: Any suggestions or pointers will be greatlt appreciated!  
  
: Thanks,  
  
: Scott  
: Azusa, CA

There is a UK company called timestep. I have thier prosat2 board and  
proscan receiver. Works really well. I'll post a pic on a.b.p.misc if you  
like. Don't know if they sell in the US. Mail me if you want thier uk address.

John B  
john.boyer@rd.eng.bbc.co.uk

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Date: Wed, 28 Sep 1994 22:20:10  
From: ihnp4.ucsd.edu!agate!news.ucdavis.edu!library.ucla.edu!csulb.edu!nic-  
nac.CSU.net!usc!howland.reston.ans.net!swiss.ans.net!netnews.lightside.com!  
covina.lightside.com!smbourne@network.ucsd.  
Subject: APT Equipment Suggestions??  
To: ham-space@ucsd.edu

I'm thinking about buying some hardware to get NOAA/METOR APT

(and maybe GEOS/METEOSTAT) transmissions and I'm trying to decide on which hardware is good.

I don't know anyone that is doing this, so I'm looking here.

I've gotten catalogs from Vanguard, Quorum and OFS Weatherfax. Are there others that I should know about? Any experience (good or bad) with any of these? How about sources of used equipment.

Any suggestions or pointers will be greatlt appreciated!

Thanks,

Scott  
Azusa, CA

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Date: Thu, 29 Sep 1994 20:51:37 GMT  
From: hearst.acc.Virginia.EDU!cscsun!dtiller@uunet.uu.net  
Subject: Ham-Space Digest V94 #268  
To: ham-space@ucsd.edu

Laurent Ferracci (100407.436@compuserve.COM) wrote:  
: RS 10 License.

: About the problem of transmitting on 10Meters through RS10:  
: I am a no-code ham, and i wished to "test" some satellite communications before  
: buying a better equipment. The easiest way was RS10.  
: I also wondered if it was legal. I looked for an answer in many books.. No  
: answer !!  
: So i phoned the REF , and talked to them about my problem..  
: The answer was (in fact): You don't have the right, but you can do it..

IF you were under the FCC's jurisdiction then whoever the REF is lied to you. You have every "right" to use RS-10, as long as you adhere to the limitations of your license class for transmissions leaving your antenna. If RS-10 chooses to retransmit your signals, that is RS-10's control operator's problem, not yours.

: This is a french point of view ! And that maybe explains why nobody deals with  
: this problem in books.. So i made my QSO on RS10.. And heard some other  
: no-code hams !

The reason it's not specifically addressed in books is because if you grasp the concept of control op it's obviously OK. (Not trying to be mean, but you've been lied to!!!)

Good luck, see you on the birds!!!

--  
David Tiller | Network Administrator | Voice: (804) 752-3710 |  
dtiller@rmc.edu | n2kau/4 | Randolph-Macon College | Fax: (804) 752-7231 |  
"Drunk, [Beowulf] slew no | P.O. Box 5005 | ICBM: 37d 42' 43.75" N |  
hearth companions." | Ashland, Va 23005 | 77d 31' 32.19" W |

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Date: 30 Sep 1994 19:03:15 GMT  
From: l11-winken.l11nl.gov!koriel!cs.utexas.edu!news.unt.edu!tcet.unt.edu!  
rparsons@ames.arpa  
Subject: Is there a microsat FAQ?  
To: ham-space@ucsd.edu

You asked a lot of questions, but I'll try. As far as stroe-and-forward sats, in general there are the 1200 bps ones and 9600 bps ones. Other than having to make minor mods to your rig, the 9600 ones are easiest to use and much faster also. UO-22, K0-23 and K0-25 are the current ones. You will need a 9600 bps modem, TAPR has a kit, but you need a modem disconnect header, which the 232 doesn't have I believe. I think TAPR also has a header add-on kit also. TAPR/AMSAT also now has a DSP modem kit DSP-93. Contact AMSAT for software (you should be a member if you use the sats.

Ask more specific question and I'll try to answer.

Ron W5RKN

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Date: 29 Sep 1994 18:58:41 -0700  
From: murky.apple.com!guest.apple.com!apple.com!apple.com!not-for-  
mail@decwrl.dec.com  
Subject: Mac sat antenna-positioning program ?  
To: ham-space@ucsd.edu

In article <9409280448.AA22606@tomcat1.tbe.com>,  
David Kelly <kelly@tomcat1.tbe.COM> wrote:

>  
>I've tried sat-trak-102 and OrbiTrack. Couldn't master the Keps for SatTrack  
>without reading the documentation, but had no trouble with OrbiTrack. I don't  
>think either will automatically drive your rotators.

SatTrak can directly read NASA 2-line element sets. Then you just need to tell it to convert them to the longer format (one click of the mouse) and save the new elset. Easy to do. SatTrak and MacSPOC are the two programs I use all the time (SatTrak for predictive tables, MacSPOC

for real-time shuttle tracking).

Patty

--  
===== Patty Winter =====  
Apple contractor Internet: winter@apple.com  
Sunnyvale, California AMPRNet: 44.4.4.44  
"Here I've been talking with the most intelligent people  
in the world, and I never even noticed." --Columbo  
===== N6BIS =====

-----  
Date: Fri, 30 Sep 94 12:02:18 GMT  
From: paperboy.ids.net!usenet@uunet.uu.net  
Subject: Mac sat antenna-positioning program ?  
To: ham-space@ucsd.edu

Check out Orbittrak. It's an excellent program which lets you track dozen's of satellites at the same time (although the screen does get to be a bit confusing when you do that) and can be hooked up to a rotor through a controller (I forget what model) hooked up to your serial port.

Oh yeah, it's shareware and at \$20 an excellent buy.

Philip Chien  
no sig yet

In Article <1994Sep26.021711.1@violet.ccit.arizona.edu>  
dpalik@violet.ccit.arizona.edu writes:  
>Is there a Macintosh satellite computer-tracking and  
>antenna-control/positioning program out there anywhere ?  
>  
>Thanks,  
>  
>Don Palik  
>dpalik@ccit.arizona.edu

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Date: 29 Sep 1994 06:33:13 GMT  
From: ihnp4.ucsd.edu!munnari.oz.au!ariel.ucs.unimelb.EDU.AU!tauon!  
dcb@network.ucsd.edu  
Subject: Radio astromony?

To: ham-space@ucsd.edu

I'm just interested in sites with information on Radio Astronomy.

If you know of any interesting ones especially sites with details on radio observations of Jupiter during the comet impact could you let me know?

Thanks

David

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David Bell |E-mail: dcba@electron.ph.unimelb.edu.au  
School of Physics |Phone : +61 3 344 5451  
The University of Melbourne |Fax : +61 3 344 4783  
Parkville, Victoria, AUST, 3052 |

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Date: Wed, 28 Sep 1994 23:11:41 UNDEFINED

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!torn!news.unb.ca!  
nbt.nbnet.nb.ca!nbnet.nb.ca!ve9bm@network.ucsd.edu  
Subject: Shuttle Audio Re-broadcasting  
To: ham-space@ucsd.edu

Hi

I am posting this message on behalf of a non internet ham who would love to obtain permission from NASA to re-broadcast mission audio via VHF on a local repeater.

Can anybody please give me a name(s) of people he could contact to obtain permission to do this.

Thanks

73 de Brent VE9BM

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Date: Thu, 29 Sep 1994 20:04:34 -0400

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!eff!news.duke.edu!  
zombie.ncsc.mil!cs.umd.edu!newsfeed.gsfc.nasa.gov!n3kwu.gsfc.nasa.gov!  
user@network.ucsd.edu  
Subject: Shuttle Audio Re-broadcasting  
To: ham-space@ucsd.edu

In article <ve9bm.27.000880D5@nbnet.nb.ca>, ve9bm@nbnet.nb.ca (Brent Moore) wrote:

> Hi  
> I am posting this message on behalf of a non internet ham who  
would love  
> to obtain permission from NASA to re-broadcast mission audio via VHF on a  
> local repeater.  
> Can anybody please give me a name(s) of people he could  
contact to obtain  
> permission to do this.  
> Thanks  
>  
> 73 de Brent VE9BM

I assume you mean re-transmitting NASA Television Audio ? If so, then you should contact NASA TV (in Washington DC at NASA HQ). This is the best way as NASA TV wants to know about anyone utilizing their broadcasts (they are very interested as to who and how many their audience is). I do not have their number offhand, but can find it if you'd like it. I would encourage anyone who watches NASA TV to let them know how much you appreciate them.

However, I caution that NASA TV audio may transmit things that are not permitted under your FCC Amateur license. The Goddard Amateur Radio Club, Inc. retransmits NASCOM audio which excludes such things as press conferences, which is the most likely (although unlikely) to produce illegal transmissions. BTW, we are on HF at 3.860, 7.185, 14.295, 21.395 and on occasion 28.650 MHz. Locally to the Washington DC area, we retransmit on 147.45 MHz FM simplex.

We are presently testing our new dedicated facility as well as upgrading and rehabing our antenna farm and would like signal reports.

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End of Ham-Space Digest V94 #274  
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